

CLAIMS

1. A method for routing in a telecommunications system a service request related to a service, comprising the steps of:

- 5 - receiving (f₂,g₃,h₂,h₅) in a communication server entity (CS,CS1,CS2) a service request containing a service identifier (SID) which identifies said service,
- obtaining (f₃-f₄, h₃-h₄, h_{5a}-h_{5b}, g₂) addressing information (AI) related to said service identifier,
- 10 and

- routing (f₅,g₄,h₅,h₆) said service request using said addressing information;

CHARACTERIZED in that it further comprises the step of:

- 15 - checking a usage rule (UR) which grants the usage of said addressing information,
- wherein the step of routing said service request is performed if said check is passed.

2. The method of claim 1, wherein said usage rule comprises at least one use condition among:

- 20 - a first time condition (T1) determining a start time for using said addressing information,
- a second time condition (T2) determining a stop time for using said addressing information,
- a third time condition (T3) determining the maximum time gap for using said addressing information from the first time it is used,
- 25 - a maximum usage condition (M) determining the number of times said addressing information can be used,
- a requesting user condition (U) stating at least one user identifier of at least one user and determining that said user is authorized to use said service.
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3. The method of claim 1, wherein said addressing information comprises at least one element among:

- an address (AA) of an application server entity (AS) which hosts said service,

5 - an address (AC) of a communication server entity (CS2) which can intervene in a service request containing said service identifier,

- an address-determining-capability (AD) usable to determine an address of a communication server entity (CS2) which can intervene in a service request containing said service identifier.

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4. The method of any of claims 1 to 3, further comprising the previous step of:

15 - storing in a location server entity (LS) said service identifier, said addressing information, and said usage rule.

5. The method of claim 4, further comprising the previous step of:

20 - receiving (f1,g1,h1) said usage rule in said location server entity from an application server entity (AS).

6. The method of claims 4 or 5, wherein the step of checking said usage rule is performed in said location server entity.

7. The method of claim 6, wherein the step of obtaining 25 addressing information comprises the steps of:

- sending (f3,h3,h5a) from said communication server entity a location query containing said service identifier to said location server entity, and

- receiving (f4,h4,h5b) a query response in said 30 communication server entity containing said addressing information if said check is passed.

8. The method of claim 6, wherein the step of obtaining addressing information comprises the steps of:

- transmitting (f3,h3,h5a) from said communication server entity said received service request to said location server entity, and

- receiving (f4,h4,h5b) a redirection indication in said communication server entity containing said addressing information if said check is passed.

9. The method of any of claims 1 to 3, further comprising the previous step of:

- storing in said communication server entity (CS,CS2) said service identifier, and said usage rule.

10. The method of claim 9, further comprising the previous step of:

15 - receiving (g2,h2a) said usage rule in said communication server entity from a location server entity.

11. The method of claim 9, further comprising the previous step of:

20 - receiving (f1a,g1a,h1a) said usage rule in said communication server entity from an application server entity.

12. The method of any of claims 9 to 11, wherein the step of checking said usage rule is performed in said communication server entity.

13. A location server entity (LS) having:

- storage means, arranged to store addressing information (AI) related to a service identifier (SID) which identifies a service, and

5 - processing means, arranged to access said storage means to provide said addressing information; CHARACTERIZED in that:

- said storage means further store a usage rule (UR) for granting the use of said addressing information, and

10 - said processing means are further arranged to check said usage rule to determine whether or not said addressing information can be provided.

14. The location server entity of claim 13, wherein said

15 usage rule comprises at least one condition among:

- a first time condition (T1) determining in said location server entity a start time for providing said addressing information,

20 - a second time condition (T2) determining in said location server entity a stop time for providing said addressing information,

- a third time condition (T3) determining in said location server entity the maximum time gap for providing said addressing information from the first time it is provided from said location server,

25 - a maximum usage condition (M) determining in said location server entity the number of times said addressing information can be provided from said location server entity,

30 - a requesting user condition (U) stating at least one user identifier of at least one user and determining in

said location server entity whether said user is authorized to use said service; and wherein said processing means are arranged to check at least one of said conditions.

- 5 15. The location server entity of claim 13, wherein said addressing information comprises at least one among:
 - an address (AA) of an application server entity (AS) which hosts said service,
 - an address (AC) of a communication server entity (CS2) which can intervene in a service request containing said service identifier,
 - an address-determining-capability (AD) usable to determine an address of a communication server entity (CS2) which can intervene in a service request containing said service identifier.
- 10 16. The location server entity of any of claims 13 to 15, further arranged to receive and store a usage rule in relationship with a service identifier.
- 15 17. The location server entity of claim 16, further arranged to receive said usage rule from an application server entity.
- 20 18. The location server entity of any of claims 13 to 17, further arranged to transmit a usage rule in relationship with a service identifier to a communication server entity which can intervene in a service request containing said service identifier.
- 25 19. The location server entity of any of claims 13 to 17, further arranged to receive a location query containing said service identifier and to answer with a query response containing said addressing information if said check is passed.
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20. The location server entity of any of claims 13 to 17, further arranged to receive a service request containing said service identifier and to answer with a redirection indication containing said addressing
5 information if said check is passed.
21. A communication server entity (CS,CS1,CS2) having processing means arranged to:
 - receive a service request containing a service identifier (SID) which identifies a service,
 - 10 - obtain addressing information (AI) related to said service identifier, and
 - route a received service request using said addressing information;
CHARACTERIZED in that said processing means are further
15 arranged to:
 - obtain a usage rule (UR) for granting the use of said addressing information, and
 - check said usage rule to determine whether or not to route a received service request containing said
20 service identifier.
22. The communication server entity claim 21, wherein said usage rule comprises at least one condition among:
 - a first time condition (T1) determining in said communication server entity a start time for routing
25 service requests containing said service identifier,
 - a second time condition (T2) determining in said communication server entity a stop time for routing service requests containing said service identifier,
 - a third time condition (T3) determining in said
30 communication server entity the maximum time gap for routing service requests containing said service identifier from the first time a service request

containing said service identifier has been routed from said communication server entity,

- a maximum usage (M) condition determining in said communication server entity the number of times it can route service requests containing said service identifier,

- a requesting user condition (U) stating at least one user identifier of at least one user and determining in said location server entity whether said user is authorized to send a service request containing said service identifier;

and wherein said processing means are arranged to check at least one of said conditions.

23. The communication server entity of claims 21 or 22,

further arranged to send a location query to a location server to obtain said addressing information and said usage rule.

24. The communication server entity of claims 21 or 22,

further comprising storage means arranged to store said usage rule in relationship with said service identifier, wherein said processing means are further arranged to obtain said usage rule from said storage means.

25. The communication server entity of claim 24, further

arranged to receive said usage rule from a location server entity and to store it in said storage means.

26. The communication server entity of claim 24, further

arranged to receive said usage rule from an application server entity and to store it in said storage means.

27. An application server entity (AS) having processing means arranged to exchange information with a second server entity (LS,CS,CS2) which can intervene in the signaling of a service request related to a service;
- 5 CHARACTERIZED in that said processing means are further arranged to send to said second server entity a usage rule (UR) in relationship with a service identifier (SID) for granting the use of the addressing information (AI) usable for routing a service request
- 10 containing said service identifier.
28. A computer program for providing information for routing a service request containing a service identifier (SID) which identifies a service, comprising:
- 15 - a computer-readable program code for causing a computer-based location server to provide addressing information (AI) related to said service identifier; CHARACTERIZED in that it further comprises:
- a computer-readable program code for causing said computer-based location server to check a usage rule (UR) which grants the usage of said addressing information to determine whether or not said addressing information can be provided.
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29. A computer program for routing a service request containing a service identifier (SID) which identifies a service, comprising:
- 25 - a computer-readable program code for causing a computer-based communication server to obtain addressing information (AI) related to said service identifier, and
- 30 - a computer-readable program code for causing said computer-based communication server to route the

received service request using said addressing information;

CHARACTERIZED in that it further comprises:

- a computer-readable program code for causing said computer-based communication server to obtain a usage rule (UR) which grants the usage of said addressing information, and
- a computer-readable program code for causing said computer-based communication server to check said usage rule to determine whether or not to route a received service request containing said service identifier.